

TECHNYL® C 52G1MX 25 GREY 7035

Polyamide 6
Solvay Engineering Plastics

Message:
Flame retardant polyamide PA6 reinforced with mineral filler for injection moulding, also suitable for thin wall parts.

General Information				
Filler / Reinforcement		Mineral		
Additive		Flame Retardant		
Features		Flame Retardant		
		Halogen Free		
		Low (to None) Phosphorus Content		
Uses		Housings		
		Thin-walled Parts		
Appearance		Grey		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA6+MD FR(30)<		
Physical	Dry	Conditioned	Unit	Test Method
Molding Shrinkage - Flow				
--	1.1	--	%	ISO 294-4
--	0.75	--	%	Internal Method
Water Absorption (23°C, 24 hr)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6130	4000	MPa	ISO 527-2/1A
Tensile Stress (Break)	70.0	55.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.0	4.0	%	ISO 527-2/1A
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	3.0	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (-30°C)	30	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	--	3.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	28	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature	220	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method

Comparative Tracking Index (Solution A)	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	V-2	--		
1.60 mm	V-2	--		
3.20 mm	V-2	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.800 mm	960	--	°C	
1.60 mm	960	--	°C	
3.20 mm	960	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.800 mm	700	--	°C	
1.60 mm	725	--	°C	
Oxygen Index	29	--	%	ISO 4589-2
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	220 to 2230		°C	
Middle Temperature	230 to 240		°C	
Front Temperature	245 to 255		°C	
Mold Temperature	80.0		°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

